

Switch Structure for Reduced Voltage Fluctuation in Power Domains and Sub-Domains

ABSTRACT OF THE DISCLOSURE

System and method for reducing voltage fluctuations in an integrated circuit with multiple power domains and sub-domains. A preferred embodiment comprises a plurality of voltage sources and a switching network (such as switching network 320) wherein outputs from the plurality of voltage sources are inputs. The switching network can couple the outputs of voltage sources (based on a mapping) with the same output voltage levels to reduce voltage fluctuation amongst power domains coupled to the coupled outputs. The coupling may be performed by a switching structure (such as the switching structure 215) that can controllably electrically couple two outputs.